application is based. Claims 2-6 and 11-13 are dependent from Claim 10.

Claim 14 corresponds to the amended version of Claim 7 that was the subject the International Preliminary Examination Report.

The Applicant notes that the International Preliminary Examination Report stated that, in the opinion of the International Preliminary Examining Authority, all of the claims in the PCT application are directed to an invention that is both novel and the result of an inventive step over the prior art.

Respectfully submitted,

David S. Goldenberg

DSG/smd

FLYNN, THIEL, BOUTELL & TANIS, P.C.	Dale H. Thiel	Reg. No. 24 323
2026 Rambling Road	David G. Boutell	Reg. No. 25 072
Kalamazoo, MI 49008-1699	Ronald J. Tanis	Reg. No. 22 724
Phone: (616) 381-1156	Terryence F. Chapman	Reg. No. 32 549
Fax: (616) 381-5465	Mark L. Maki·	Reg. No. 36 589
	David S. Goldenberg	Reg. No. 31 257
	Sidney B. Williams, Jr.	Reg. No. 24 949
	Liane L. Churney	Reg. No. 40 694
	Brian R. Tumm	Reg. No. 36 328

Encl: Marked-Up Amended Claims 2-6, 8 and 9
        Clean/Replacement Claim Set

336.9804

2.   (Amended) ~A~The texturing system according to
claim ~1~10, including decompression means ~(32,62)~for
decompressing mip-map data, the mip-map data being stored
in the memory means in compressed form.

3.   (Amended) ~A~The texturing system according to
claim 2, in which the decompression means ~(32,62)~is
connected with its input coupled to the cache means and
its output coupled both to the trilinear interpolator
means and to the lower-level mip-map generator means.

4.   (Twice Amended) ~A~The texturing system
according to claim 2, in which there are four cache means
~(60)~ and four decompression means ~(62)~ arranged in
parallel.

5.   (Twice Amended) ~A~The texturing system
according to claim 2, further comprising allocating means
~(82)~ between the cache means ~(60)~ and the decompression
means ~(62)~, for allocating the outputs of different
caches to selected ones of the decompression means.

6.   (Twice Amended) ~A~The texturing system
according to Claim ~1~10, in which the lower-level mip-map
generator means comprises four interpolators which
operate on 16 texels from the mip-map held in the cache
means to provide four texels as from the next lower mip-
map.

8.   (Amended) Apparatus for generating texture
data for use in texturing an image, comprising the steps
of:
          means for representing texture data by
arbitrary compressed codes, in which selected compressed

code values define principal colors and other compressed
code values define colors which can be formed by selected
weighted averages of principal colors, the corresponding
code values also being weighted averages of the code
values of the selected principal colors; and

interpolating means for interpolating an output
texel from a plurality of input texels;

characteriszed in that:

the interpolating means effects the
interpolation using compressed code values.

9.   (Amended)   A method of generating texture data
for use in texturing an image, comprising the steps of:

representing texture data by arbitrary
compressed codes, in which selected compressed code
values define principal colors and other compressed code
values define colors which can be formed by selected
weighted averages of principal colors, the corresponding
code values also being weighted averages of the code
values of the selected principal colors;

interpolating an output texel from a plurality
of input texels;

characteriszed in that:

the interpolating step is effected using
compressed code values.